

Appl. No. 09/314,593
Amdt dated August 7, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

01
4

Claim 1 (currently amended): A method for transmitting streaming information in a packetized format, the method comprising:
forming a first packet containing information generated over a first duration; and
in response to a predetermined event, forming a second packet containing information generated over a second duration, the second duration being longer than the first duration;
wherein duration is the length of time needed to generated play out the information in real time.

Claim 2 (previously presented): The method of Claim 1 wherein:
information for the first packet and information for the second packet is received from a common information generator.

Claim 3 (previously presented): The method of Claim 1 wherein:
information for the first packet is generated by an information generator different from another information generator that generates information for the second packet.

Claim 4 (previously presented): The method of Claim 1 wherein:
the predetermined event includes an increase beyond a predetermined threshold of processing requirements in a device that receives the first packet and the second packet.

Claim 5 (previously presented): The method of Claim 1 wherein:
the predetermined event includes an increase beyond a predetermined threshold in processing requirements in a device that transmits the first packet and the second packet.

Claim 6 (previously presented): A method for transmitting streaming information in a packetized format, the method comprising:

SILICON VALLEY
PATENT GROUP LLP

2350 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8210
FAX (408) 982-8210

Appl. No. 09/314,593
Amdt dated August 7, 2003

forming a first packet containing information generated over a first duration; and
in response to a predetermined event forming a second packet containing information
generated over a second duration, the second duration being longer than the first duration;
wherein the predetermined event includes an increase beyond a predetermined
threshold in processing requirements in a device that transmits the first packet and the second
packet; and

wherein information included in the first packet forms a portion of a first stream
between a source device and a destination device, and the source device transfers additional
information in at least one additional stream to or from another destination device, the method
further comprising:

determining occurrence of the predetermined event when a predetermined number is
exceeded by a total number of streams, including the additional stream and the first stream.

Claims 7-9 (canceled)

Claim 10 (previously presented): The method of Claim 1 wherein:
the first packet has a first size; and
the second packet has a second size, the second size being larger than the first size.

Claim 11 (previously presented): The method of Claim 1 further comprising:
forming said first packet and said second packet in conformance with UDP protocol of
Internet.

Claim 12 (previously presented): The method of Claim 1 further comprising:
digitizing audio to generate the information.

Claim 13 (previously presented): The method of Claim 12 further comprising:
encoding the audio subsequent to digitizing.

Claim 14 (previously presented): A method for transmitting streaming information in
a packetized format, the method comprising:

SILICON VALLEY
PATENT GROUP LLC

3330 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210

Appl. No. 09/314,593
Amdt dated August 7, 2003

Del.
forming a first packet containing information generated over a first duration;
in response to a predetermined event, forming a second packet containing information
generated over a second duration, the second duration being longer than the first duration;

wherein:

the information includes a plurality of snippets, each snippet having information
received over a predetermined duration; and

the first packet includes a first number of snippets and the second packet includes a
second number of snippets, the second number being greater than the first number.

Del. Cont.
Claim 15 (canceled)

Claim 16 (original): The method of Claim 14 further comprising maintaining a jitter
buffer within a range defined by a maximum size and a minimum size by:

adding two copies of a snippet to the jitter buffer if a current size of the jitter buffer is
smaller than a minimum size;

dropping a snippet if the current size of the jitter buffer is larger than a maximum size;
and

adding the snippet to the jitter buffer if the current size of the jitter buffer is between
maximum size and minimum size.

* Claim 17 (currently amended): A device including:

a memory;

an information controller coupled to the memory for storing information in the
memory;

a packet controller coupled to the memory for transmitting a plurality of packets stored
in the memory; and

a processor that uses information of a first duration as payload in each of said packets
prior to occurrence of a predetermined event, and uses information of a second duration as
payload after occurrence of the predetermined event; 7

wherein duration is the length of time needed to collect play out the information in
real time.

SILICON VALLEY
PATENT GROUP LLP

2350 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8210
FAX (408) 982-8210

Appl. No. 09/314,593
Amdt dated August 7, 2003

Claim 18 (previously presented): The device of Claim 17 wherein:
the predetermined event is related to processing requirements of said processor.

Claim 19 (original): The device of Claim 18 wherein:
the predetermined event is related to deterioration in performance of the processor;

and

the second duration is longer than the first duration.

Claim 20 (original): The method of Claim 14 wherein:
the second number is a multiple of the first number.

Claim 21 (original): A method for transmitting streaming information in a packetized
format, the method comprising:

forming a first packet containing information generated over a first duration; and
in response to a predetermined event, forming a second packet containing information
generated over a second duration;

wherein the predetermined event is related to deterioration in performance, and the
second duration is longer than the first duration.

Claim 22 (original): The method of Claim 21 wherein:
the second packet has a larger payload than the first packet.

Claim 23 (original): The method of Claim 1 further comprising:
digitizing video to generate the information.

Claim 24 (original): The method of Claim 6 further comprising:
digitizing video to generate the information.

Claim 25 (original): The method of Claim 6 further comprising:
digitizing audio to generate the information.

SILICON VALLEY
PATENT GROUP LLP

2350 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8210
FAX (408) 982-8210

Appl. No. 09/314,593
Amndt dated August 7, 2003

Claim 26 (original): The method of Claim 14 further comprising:
digitizing video to generate the information.

Claim 27 (original): The method of Claim 14 further comprising:
digitizing audio to generate the information.

Claim 28 (original): The method of Claim 21 further comprising:
digitizing video to generate the information.

Claim 29 (original): The method of Claim 21 further comprising:
digitizing audio to generate the information.

Claim 30 (original): The method of Claim 20 wherein:
the multiple is 2.

Claim 31 (original): A method for transmitting streaming information in a packetized
format, the method comprising:
forming a first packet containing information generated over a first duration;
receiving a second packet and determining occurrence of a predetermined event based
on the second packet; and

in response to a predetermined event, forming a third packet containing information
generated over a second duration, the second duration being longer than the first duration.

Claim 32 (original): The method of Claim 31 wherein the second packet includes
information to be played over a duration longer than the first duration, the method includes:
using the longer duration to decide occurrence of said predetermined event.

Claim 33 (original): The method of Claim 32 wherein:
information in the second packet is part of a conference call.

SILICON VALLEY
PATENT GROUP LLP

2350 Mission College Blvd.
Suite 300
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210

Appl. No. 09/314,593
Amdt dated August 7, 2003

* Claim 34 (currently amended): A method for transmitting streaming information in a packetized format, the method comprising:

forming a first packet containing information of a first quality; and
in response to a change in system performance, forming a second packet containing information of a second quality that is different from the first quality;

wherein the system performance is performance as a whole of: comprises:

a device that forms the packets; and ✓

a network that carries the packets. ✓

Q1 cont. suggestion
Claim 35 (currently amended): The method of Claim 34 wherein:
the change in system performance represents a reduction in transmission of streaming information; and

the second quality is poorer than the first quality.

Claims 36-38 (canceled).

Ⓢ Claim 39 (currently amended): ~~The method of Claim 36 wherein:~~ A method for transmitting streaming information in a packetized format, the method comprising: *data blocks*
forming a first packet containing a first number of snippets; and
in response to an increase in processing requirements, forming a second packet containing snippets of a second number that is larger than the first number;
wherein the increase in processing requirements occurs in a device that generates the packets.

Claim 40 (currently amended): The method of Claim ~~[[36]]~~ 39 wherein:
the increase in processing requirements occurs in a device that handles the packets.

Claim 41 (currently amended): The method of Claim ~~[[36]]~~ 39 wherein:
the packets are formed by a source device; and
another device informs the source device about the increase.

SILICON VALLEY
PATENT GROUP LLP
2350 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210

Appl. No. 09/314,593
Amdt dated August 7, 2003

Claim 42 (original): The method of Claim 41 wherein:
said another device informs the source device via an out of band signal.

Claim 43 (original): The method of Claim 41 wherein:
said another device informs the source device via one or more bits in the header of a packet to be transmitted to the source device.

DI-Cont.
Claim 44 (original): The method of Claim 41 wherein:
the first packet and the second packet belong to a first stream (hereinafter "source stream");
said another device generates and transmits another stream (hereinafter "return stream") to the source device; and
said another device informs the source device about need for the increase via an increase in payload size of the return stream.

Claim 45 (currently amended): The method of Claim [[36]] 39 wherein:
the packets are formed by a source device; and
the increase in processing requirements occurs in a network that is connected to the source device and carries the packets.

Claim 46 (currently amended): The method of Claim [[36]] 39 wherein:
the packets are formed by a source device; and
the increase in processing requirements occurs in the source device.

Claim 47 (currently amended): The method of Claim [[36]] 39 wherein:
the increase in processing requirements is caused by an increase in a number of streams being generated by a device that generates the packets.

Claim 48 (currently amended): The method of Claim [[36]] 39 wherein:
the increase in processing requirements is indicated by an increase in a number of page faults in a device that generates the packets.

SILICON VALLEY
PATENT GROUP LLP

2250 Mission College Blvd.
Suite 300
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210

Appl. No. 09/314,593
Amdt dated August 7, 2003

Claim 49 (currently amended): The method of Claim ~~[[36]] 39~~ wherein:
the increase in processing requirements is indicated by an increase in percentage of
CPU utilization in a device that generates the packets.

Claim 50 (currently amended): The method of Claim ~~[[36]] 39~~ wherein:
the increase in processing requirements is indicated by an increase in a number of
packets being transmitted at a port.

Claim 51 (currently amended): The method of Claim ~~[[36]] 39~~ wherein:
a destination device that receives the packets holds the snippets temporarily in a jitter
buffer before playing information contained in the snippets; and
the destination device uses the jitter buffer to average out variations in inter-arrival
duration so that snippets are played out at a uniform rate.

Claim 52 (original): The method of Claim 51 further comprising maintaining said
jitter buffer within a range defined by a maximum size and a minimum size by:
adding two copies of a snippet to the jitter buffer if a current size of the jitter buffer is
smaller than a minimum size.

Claim 53 (original): The method of Claim 51 further comprising maintaining said
jitter buffer within a range defined by a maximum size and a minimum size by:
dropping a snippet if a current size of the jitter buffer is larger than a maximum size.

Claim 54 (currently amended): The method of Claim ~~[[36]] 39~~ further comprising:
digitizing audio to generate the snippets.

Claim 55 (currently amended): The method of Claim ~~[[36]] 39~~ further comprising:
digitizing video to generate the snippets.

Claim 56 (currently amended): The method of Claim ~~[[36]] 39~~ wherein:

SILICON VALLEY
PATENT GROUP LLP

2350 Mission College Blvd.
Suite 300
Santa Clara, CA 95054
(408) 982-8210
FAX (408) 982-8210

Appl. No. 09/314,593
Amndt dated August 7, 2003

use of the second number of snippets is selective.

Claim 57 (currently amended): The method of Claim [[36]] 39 wherein:
use of the second number of snippets is selective based on a telephone number.

Claim 58 (original): A method for transmitting streaming information in a packetized format, the method comprising:

transmitting packets for a stream using an initial payload size; and
transmitting packets of an increased payload size, in response to any of:
an increase in processing requirements; and
an increase in payload size of packets being received.

Claim 59 (original): The method of Claim 58 wherein:
packets of increased payload size are transmitted for said stream.

Claim 60 (original): The method of Claim 58 wherein:
packets of increased payload size are transmitted for a new stream.

Claim 61 (original): The method of Claim 58 wherein:
the initial payload size is equal to a first number of snippets; and
the increased payload size is equal to a second number of snippets;
the second number being larger than the first number.

Claim 62 (original): The method of Claim 58 wherein:
the increased payload size is twice the initial payload size.

Claim 63 (original): A device including:
a memory;
an information controller coupled to the memory for storing information snippets in
the memory;

SILICON VALLEY
PATENT GROUP LLP

2850 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210

Appl. No. 09/314,593
Amdt dated August 7, 2003

a packet controller coupled to the memory for transmitting a plurality of packets stored in the memory; and

means for forming a first packet containing a first number of snippets and for forming a second packet containing snippets of a second number that is larger than the first number in response to an increase in processing requirements.

Claim 64 (original): The device of Claim 63 wherein:
the processing requirements increase happens inside said means.

Claim 65 (original): The device of Claim 63 wherein:
the processing requirements increase happens inside a network to which said means transmits said packets.

Claim 66 (currently amended): The device of Claim 63 wherein:
~~said means is hereinafter "transmission means";~~
the memory comprises a jitter buffer; and
the device further comprises reception means for receiving packets from a network;
wherein the reception means uses the jitter buffer to average out variations in inter-arrival duration of packets being received so that snippets of received packets are played out at a uniform rate.

Claim 67 (original): The device of Claim 66 further comprising:
means for adding two copies of a snippet to the jitter buffer if a current size of the jitter buffer is smaller than a minimum size.

Claim 68 (original): The device of Claim 66 further comprising:
means for dropping a snippet if a current size of the jitter buffer is larger than a maximum size.

Claim 69 (currently amended): A device comprising:

SILICON VALLEY
PATENT GROUP LLP

2350 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8210
FAX (408) 982-8210

Appl. No. 09/314,593
Amtd dated August 7, 2003

first means for forming a first packet containing information collected to be played out over a first length of time in real time; and

second means, responsive to a predetermined event, for forming a second packet containing information collected to be played out over a second length of time in real time;

third means for switchably connecting the first means and the second means to a common input source.

Claim 70 (original): The device of Claim 69 further comprising:
means for transmitting the packets, wherein:

the first packet belongs to an existing stream transmitted by the device; and
the second packet belongs to a new stream to be transmitted by the device.

Claim 71 (original): The device of Claim 69 further comprising:
means for transmitting the packets, wherein:

the first packet belongs to an existing stream transmitted by the device; and
the second packet belongs to said existing stream.

Claim 72 (original): The device of Claim 69 wherein:

the predetermined event includes an increase beyond a predetermined threshold of
processing requirements in another device that receives the first packet and the second packet.

Claim 73 (original): The device of Claim 69 wherein:

the predetermined event includes an increase beyond a predetermined threshold of
processing requirements in said device.

SILICON VALLEY
PATENT GROUP LLP

2350 Linden College Blvd.
Suite 300
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210